



# Department of Property & Procurement

Government of the United States Virgin Islands

3274 ESTATE RICHMOND, CHRISTIANSTED, U. S. VIRGIN ISLANDS 00820

8201 SUB BASE, 3RD FLOOR, ST. THOMAS, U. S. VIRGIN ISLANDS 00802

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[HTTP://DPP.VI.GOV](http://dpp.vi.gov)



November 2, 2020

**AMENDMENT #1-** IFB003VINGT21 (C)— Removal and Replacement of the Southern Perimeter Fence at the Estate Nazareth Military Compound for the Virgin Islands National Guard on St. Thomas, Virgin Islands.

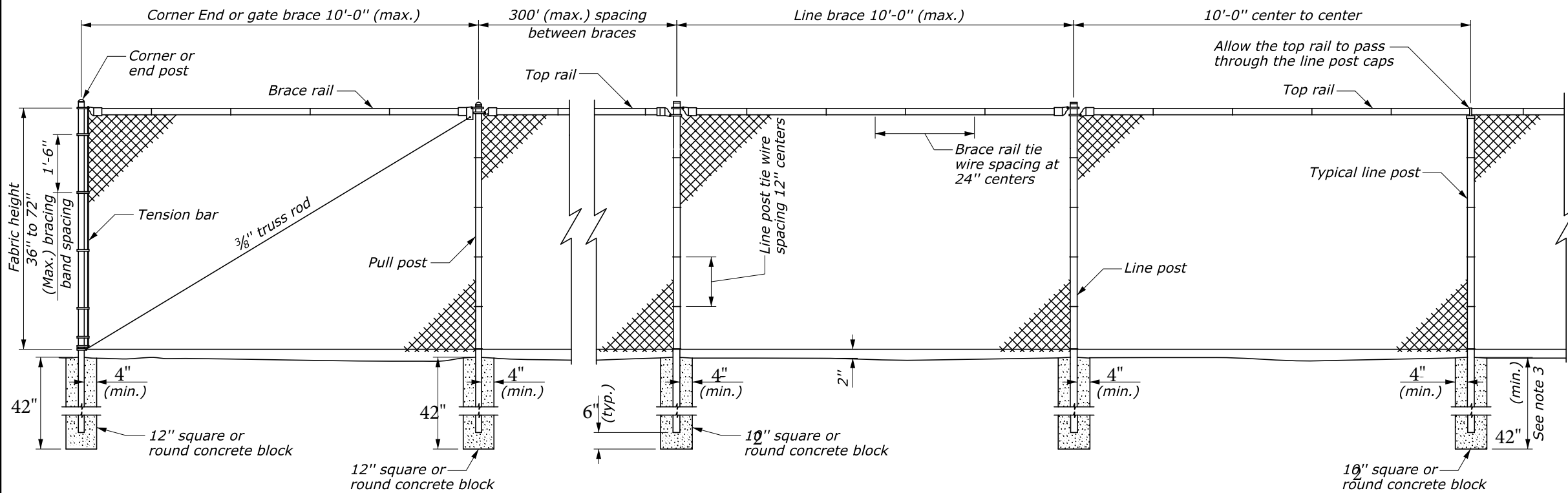
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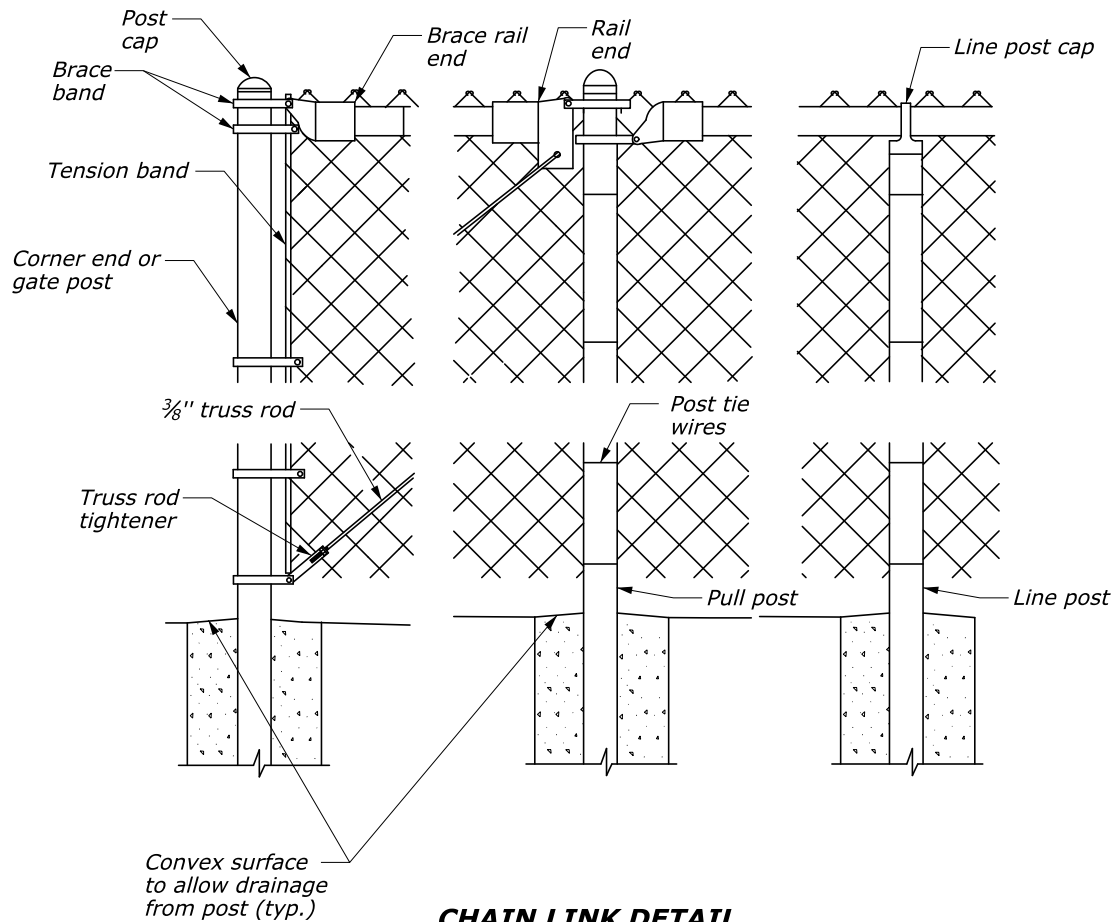
ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

BIDDERS **MUST** ACKNOWLEDGE RECEIPT OF THIS AMENDMENT WITH THEIR BID PACKAGE.

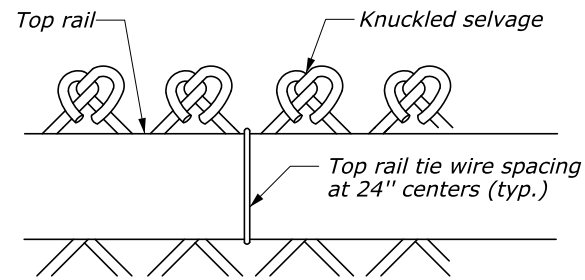


- NOTES:
1. Metal post and rails shall conform to ASTM F 761.
  2. Set all post in concrete. Set corner, end, pull posts to the dimensions shown. The minimum depth of concrete for line posts is 24 inches. Increase depth 3 inches for each additional foot inches of fence height over 4 feet.
  3. Adjust the post top elevations to provide a smooth visual fence profile. Install corner posts at horizontal breaks in the fence or 15° or more.
  4. Provide fence fabric with a 2 inch mesh, use 11 gage wire in fabric heights of 48 inches or less and 9 gage wire in fabric heights greater than 48 inches. Provide a Class D coating when zinc-coated steel fence fabric is provided. Knuckle both selvages on fabric.
  5. See Detail E619-07, sheet 2 for hardware and gate requirements.

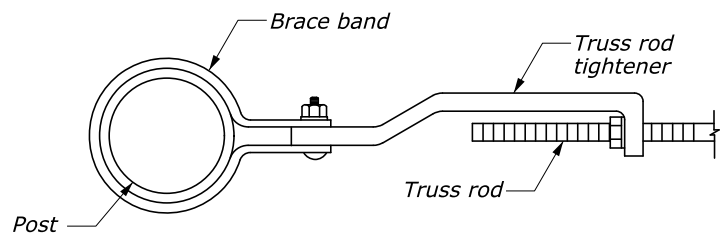
### CHAIN LINK FENCE



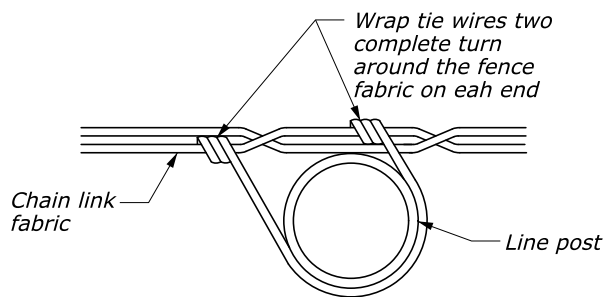
### CHAIN LINK DETAIL



### WIRE SELVAGE DETAIL



### TRUSS ROD TIGHTENER DETAIL



### CHAIN LINK FENCE TIE DETAIL

CHAIN LINK FENCE			
POST SIZE AND WEIGHT TABLE			
DESCRIPTION	FENCE HEIGHT	ROUND PIPE	
		Yield strength 25,000 Psi (min.)	
		dia. inch	lbs/ft (min.)
Brace rail & top rail	5 feet or less	1.315	0.740
	6 feet	1.315	0.740
Line post	5 feet or less	1.660	1.107
	6 feet	1.900	1.273
End, corner & pull post	5 feet or less	1.400	1.273
	6 feet	2.375	1.603

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

## RESIDENTIAL CHAIN LINK FENCE

Sheet 1 of 2











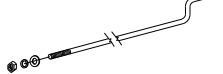





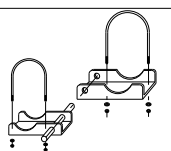
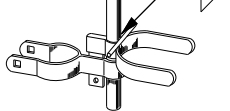
DETAIL APPROVED FOR USE

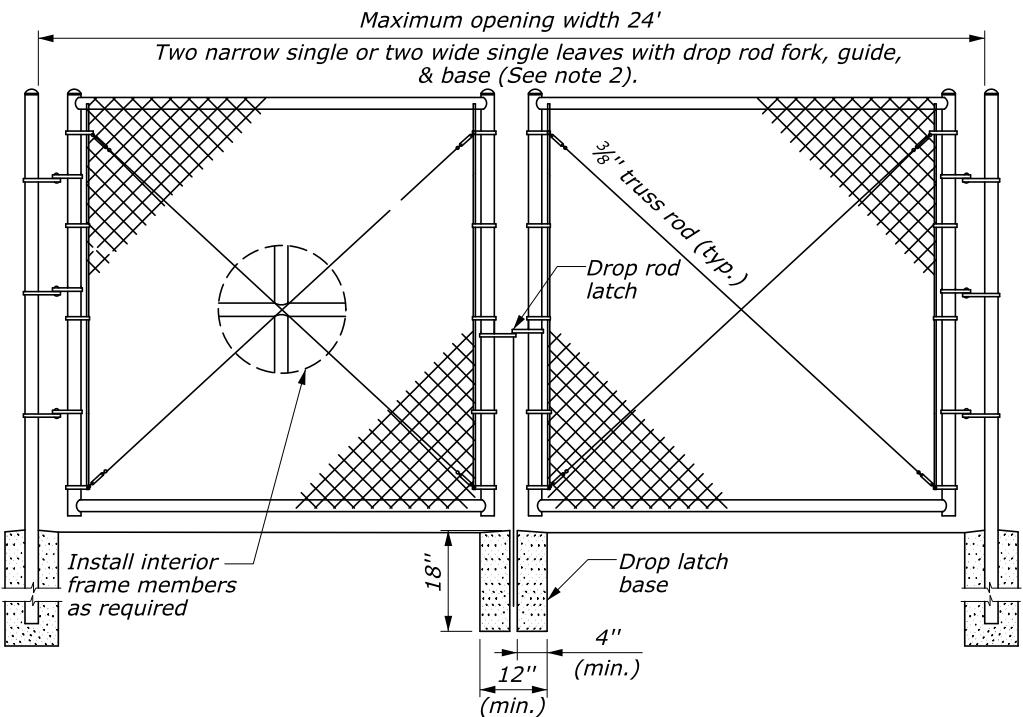
APPROVED : MAY 2011  
REVISED: SEPTEMBER 2014

DETAIL

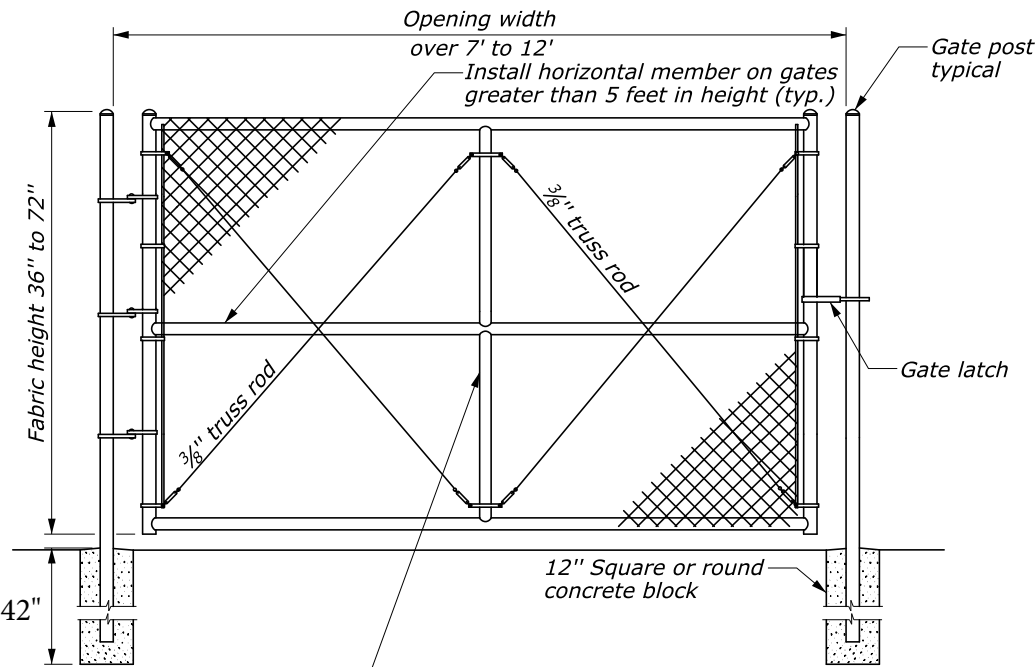
E619-07

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HARDWARE ITEM DESCRIPTION		STANDARD REQUIREMENTS
Brace rail and top rail		See tabel on Detail E619-09
Line post		See tabel on Detail E619-09
Corner; end and pull posts		See table on Detail E619-09
Post cap		Cast non-ferrous alloy or galvanized pressed steel cap must fit snugly on post and gate topa
Line post cap		Galvanized pressed steel minimum " $\frac{3}{32}$ " thickness or galvanized malleable ferrous alloy
Tension band		Minimum $\frac{3}{32}$ " x $\frac{5}{16}$ " galvanized steel
Brace band		Minimum $\frac{3}{32}$ " x $\frac{5}{16}$ " galvanized steel
Band bolt		Minimum $\frac{5}{16}$ " x $1\frac{1}{4}$ " galvanized carriage bolt, (Lock washer & flat washer for each band0
Rail end		Galvanized pressed steel or galvanized malleable ferrous alloy minimum... " $\frac{3}{8}$ " thickness on back bolting appendage
Brace rail end		Galvanized pressed steel or galvanized malleable ferrous alloy minimum " $\frac{3}{8}$ " thickness on back bolting appendage
Truss rod tightener		Minimum $\frac{1}{4}$ " formed galvanized steel
Truss rod		$\frac{3}{8}$ " galvanized, NC threaded rod, lock washer, & flat washer with two 90° bends opposite of threaded end
Top rail sleeve		Galvanized steel 0.051" minimum thickness by 6" minimum length
Tension bar		Minimum $\frac{3}{16}$ " x $\frac{3}{4}$ " galvanized steel
Fence fabric		2" diamond mesh fabric, See note no. 4 on Detail E619-07 of Sheet 1
Tie wires		Minimum 9 gage aluminum with one hooked end
Gate latch		Minimum $\frac{1}{8}$ " galvanized pressed steel or malleable ferrous alloy. 1 latch per each single gate with bent minimum $\frac{3}{8}$ " attachment bolt, washer & nut.
Frame hinge		Minimum $\frac{1}{8}$ " galvanized pressed steel with 2 - $\frac{3}{8}$ " U-bolts, lockwasher & nuts per hinge. Use 2 hinges per gate leaf up to 8' in width and 3 hinges per gate leaf widths greater than 8'.
Drop rod latch & guide		Minimum $\frac{1}{8}$ " galvanized presed steel. Drop rod guide includes $\frac{3}{8}$ " x 3" carriage bolt with lock washer & nut. Weld drop rod fork to rod & paint with an approved zinc rich paint.



**DOUBLE LEAF GATE**



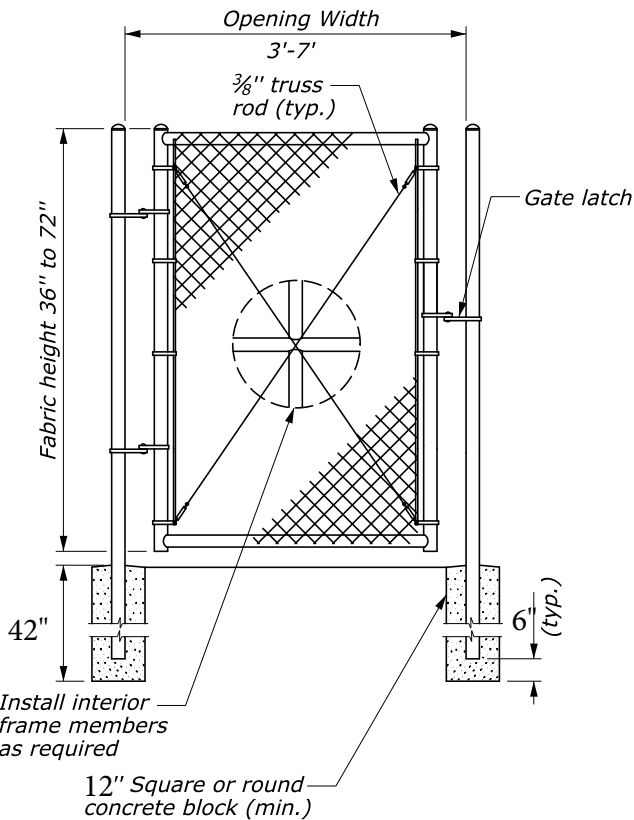
Install equally spaced vertical uprights so that no horizontal dimension between outside members is greater than 5 feet

**WIDE SINGLE LEAF GATE**

CHAIN LINK GATE									
POST AND FRAME SIZE AND MASS TABLE									
Minimum yield strength 25,000 Psi									
GATE LEAF WIDTHS		ROUND TUBING							
		Steel				SQUARE TUBING			
		dia. inch	lbs/ft (min.)	dia. inch	lbs/ft (min.)	dia. inch	lbs/ft (min.)	dia. inch	lbs/ft (min.)
4 feet or less	Gate post size	1.90	1.257	1.90	0.866	2 x 2	2.35	2 x 2	0.94
Over 4 feet to 7 feet		2.375	2.135	2.375	1.260	2.5x2.5	2.728	2.5x2.5	1.265
Over 7 feet		2.375	3.117	2.375	2.00	2.5x2.5	3.882	2.5x2.5	2.904
Outside frame member	frame size	1.315	0.866	1.315	0.435	1.25x1.25	1.048	1.25x1.25	0.576
Interior bracing member		1.315	0.866	1.315	0.435	1.25x1.25	1.048	1.25x1.25	0.576

NOTES:

1. Reinforce the gate frame corners with a malleable iron or pressed steel fitting designed for the purpose or shop weld the corners. Grind smooth all welds and paint each gate with the necessary hinges, latch, and drop rod locking device design for the type of gate posts and used on the project. Provide positive type latching devices with provisions for pad locking at all gates. Provide keepers to retain the gate in the open position.
2. Approved alternate gate frames constructed of steel section, other than pipe, may be used.
3. The design of the chain link hardware may vary from the details shown, however, all hardware and materials used in a single installation shall be uniform and compatible.



**NARROW SINGLE LEAF GATE**

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
<b>RESIDENTIAL CHAIN LINK HARDWARE AND GATE</b>	
Sheet 2 of 2	
DETAIL APPROVED FOR USE	DETAIL
APPROVED : MAY 2011 REVISED: SEPTEMBER 2014	E619-07